

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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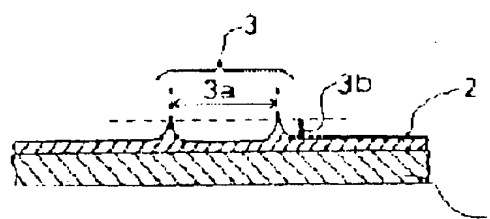
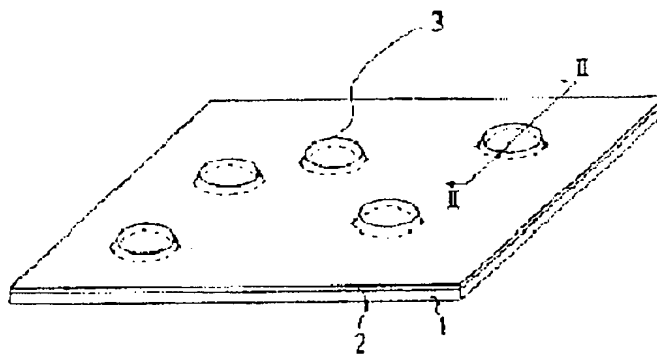
APPLICATION DATE : 02-03-90
APPLICATION NUMBER : 02052425

APPLICANT : NIPPON MAGPHANE:KK;

INVENTOR : KUZE KATSURO;

INT.CL. : B32B 27/36 B32B 33/00 G11B 5/704

TITLE : LAMINATED POLYESTER FILM



ABSTRACT : PURPOSE: To provide good travelling properties, winding properties and electromagnetic conversion properties of a film when used as a base film for magnetic recording medium by forming crater-shaped projections of given diameter on a surface layer.

CONSTITUTION: A polymer compound is dissolved or dispersed in a solvent to manufacture a coating solution. Then, said coating solution is applied on the surface of a base film and dried thereon, and if necessary, said film is oriented in the monoaxial or biaxial direction. After that, a polymer compound is crystallized by heat treating, and a surface 2 with crater-shaped projections is formed on a base film 1. A laminated polyester film thus manufactured is provided with the diameter 3a of the crater-shaped projections 3 in the range of 0.5-10 μ m, and height 3b in the range of 0.001-0.5 μ m, and is formed on the film with density of (1 \times 10³)-(2 \times 10⁶/mm²). Its surface is comparatively flat because of said formation and high slip properties are provided.

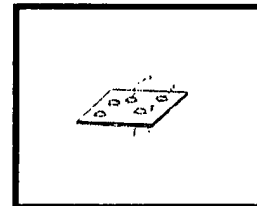
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Expand Details++**Laminated polyester film for magnetic recording medium - has surface layer with crater-shaped protrusions of specified dia. and density**

Assignee: **NIPPON MAGPHANE KK** Non-standard company
 Inventor: **TOYOBO KK** Standard company ([TOYM...](#))
 Accession / Update: **1991-374511 / 199151**
 IPC Code: **B32B 27/36 ; B32B 33/00 ; G11B 5/70 ;**
 Derwent Classes: **A85; L03; P73; T03; A23;**
 Manual Codes: **A05-E01D3**(Films; packaging) , **A12-E08A**(Magnetic recording (compositions)) , **A12-S06C1**(Of polymeric films only) , **L03-B05L1**(Polymeric) , **T03-A01B1**(Base layers, substrate)



Derwent Abstract

**DERWENT
RECORD**

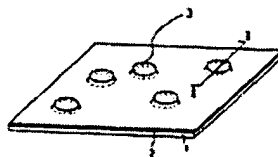
(JP3253341A) Polyester film comprises a base film contg. as major constituent a polyester resin, and a surface layer laminated to one or the opposite sides of the base film. The surface layer has crater-shape protrusions with a dia. of 0.5-10 microns at a density of 1 x 10 power 3 - 2 x 10 power 6/sq.mm.

The base film is of polyethylene terephthalate, polyethylene naphthalate, etc. The surface layer is of high polymers or their mixts. of ester, vinyl, acryl, urethane, etc. types dissolved or dispersed in solvents, opt. contg. silica, talc, etc. These are coated onto the base films, dried, and opt. uni- or bi-axially drawn. The coated films are heat treated so that the high polymers are crystallised, giving crater-shaped protrusions.

USE/Advantage - For magnetic recording media with good electromagnetic conversion characteristics and sliding, that is, running and winding properties.

Abstract info: [JP3253341A](#): Dwg.1/2

Images:



Family:

Patent	Pub. Date	DW Update	Pages	Language	IPC Code
JP3253341A *	Nov. 12, 1991	199151		English	B32B 27/36
Local apps.: JP1990000052425 ApplDate:1990-03-02 (90JP-0052425)					

Priority Number:

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Application Number	Application Date	Original Title
JP1990000052425	March 02, 1990	LAMINATED POLYESTER FILM

Unlinked Registry Numbers:
 Polymer Multipunch Codes:
 1541U 1694U
[Show polymer multipunch codes](#)

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
C1991-161586	C		
N1991-286548	N		
2 items found			

Title Terms: LAMINATE POLYESTER FILM MAGNETIC RECORD MEDIUM SURFACE LAYER CRATER SHAPE PROTRUDE SPECIFIED DIAMETER DENSITY

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